

1   **SECTION 9-30, WATER DISTRIBUTION MATERIALS**

2   **August 5, 2002**

3   **9-30.1(2) Vacant**

4   This section including title is revised to read:

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6       **9-30.1(2) Polyethylene Encasement**

7       Polyethylene encasement shall be tube-form meeting the requirements of  
8       ANSI/AWWA C105 and shall be high-density, cross-laminated polyethylene film,  
9       natural or black color.

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11   **9-30.1(5)A Polyvinyl Chloride (PVC) Pipe (4 Inches and Over)**

12   The first sentence in the first paragraph is revised to read:

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14       PVC pipe for water mains shall meet the requirements of ANSI/AWWA C900 or  
15       ANSI/AWWA C905.

16

17   New Section 9-30.1(6) is added:

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19       **9-30.1(6) Polyethylene (PE) Pressure Pipe (4 inches and over)**

20       PE pressure pipe for water mains shall meet the requirements of ANSI/AWWA  
21       C906. Pipe materials shall be high-density polyethylene PE3408 conforming to  
22       a minimum cell class 345464 C, D or E per ASTM D 3350. Pipe diameter shall  
23       be either iron pipe size per Table 3 and Table 5 or ANSI/AWWA C906. Pipe  
24       pressure class shall be as listed in Table 9 of ANSI/AWWA C906 for DR 9  
25       PE3408 material.

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27   **9-30.2(4)A Steel Pipe (6 Inches and Over)**

28   This section is revised to read:

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30       Fittings for steel pipe 6 inches and larger shall be bell and spigot or welded to  
31       match the pipe joints. Welded joints shall conform to AWWA C206. Field  
32       couplings shall be bolted, sleeve-type for plain-end pipe conforming to AWWA  
33       C219. Expansion joints shall be fabricated steel mechanical slip-type  
34       conforming to AWWA C221.

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36       When flanges are required, they shall conform to AWWA C207. Linings and  
37       coatings for fittings shall be the same as specified for the adjacent pipe.

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39   **9-30.2(8) Restrained Flexible Couplings**

40   This section is revised to read:

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42       Restrained flexible couplings shall be locking type couplings in accordance with  
43       the Plans or Special Provisions. Any couplings that utilize set screws tightened  
44       against the outside pipe wall are not acceptable. Coupling shall be epoxy  
45       coated.

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47   New section 9-30.2(9) is added:

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1           **9-30.2(9) Grooved and Shouldered Joints**  
2           Grooved and shouldered joints shall conform to AWWA C606. Rigid or flexible  
3           grooved or shouldered joints shall be as specified in the Special Provisions.”  
4  
5           New section 9-30.2(10) is added:  
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7           **9-30.2(10) Polyethylene (PE) Pipe (4 inches and over)**  
8           Fittings for PE pipe shall meet the requirements of ANSI/AWWA C906. Pipe  
9           material shall be high-density polyethylene PE3408 conforming to minimum cell  
10          class 345464 C,D or E per ASTM D 3350. Pipe diameter shall be either iron  
11          pipe size per Table 3 and Table 5 of ANSI/AWWA C906 or ductile iron pipe size  
12          per Table 7 and Table 8 of ANSI/AWWA C 906. Pipe pressure class shall be as  
13          listed in Table 9 of ANSI/AWWA C 906 for DR 9 PE3408 material.  
14  
15          New section 9-30.2(11) is added:  
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17          **9-30.2(11) Fabricated Steel Mechanical Slip-Type Expansion Joints**  
18          Fabricated steel mechanical slip-type expansion joints shall meet the  
19          requirements of ANSI/AWWA C221. Buried expansion joints to connect ductile  
20          iron or PVC pipe shall be ductile iron. Buried expansion joints for connecting  
21          steel pipe to steel pipe shall be steel.  
22  
23          **9-30.3(5) Valve Marker Posts**  
24          The reference to "meters" in the third paragraph is revised to "feet and inches".